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JAN 14 2022

PUBLIC SERVICE
COMMISSION



a PPL company

Ms. Linda Bridwell
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, KY 40601-8294

January 14, 2022

Dear Ms. Bridwell:

Enclosed are completed forms for Kentucky Utilities Company showing fuel inventories, power transactions, fuel purchases, and SEEM activities for the month of November 2021.

Sincerely,

Andrea M. Fackler

Enclosures

Kentucky Utilities Company
State Regulation and Rates
220 West Main Street
PO Box 32010
Louisville, Kentucky 40232
www.lge-ku.com

Andrea M. Fackler
Manager, Revenue
Requirement/Cost of Service
T 502-627-3442
F 502-627-3213
andrea.fackler@lge-ku.com

Company: Kentucky Utilities Company

Plant: E.W. Brown, Ghent and Trimble County

Month Ended: November 30, 2021

Fuel: Coal

<i>E.W. Brown High Sulfur</i>		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	10/31/2021	\$ 5,479,366.31	2,227,538.70	\$ 2.4598	99,347.57	\$ 55.1535
Add: Purchases		\$ 2,906,982.79 (5)	1,220,367.56	\$ 2.3821	55,106.00	\$ 52.7526
Adjustments		\$ -	0.03	\$ -	-	\$ -
Sub-Total		\$ 8,386,349.10	3,447,906.29	\$ 2.4323	154,453.57	\$ 54.2969
Less: Fuel Burned		\$ 777,275.68	320,024.53	\$ 2.4288	14,281.00	\$ 54.4273
Ending Inventory	11/30/2021	\$ 7,609,073.42	3,127,881.76	\$ 2.4327	140,172.57	\$ 54.2836
<i>Ghent High Sulfur</i>		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	10/31/2021	\$ 26,304,096.25	13,372,214.09	\$ 1.9671	553,672.05	\$ 47.5084
Add: Purchases		\$ 19,881,307.87 (4)	9,970,913.32	\$ 1.9939	418,111.44 (6)	\$ 47.5503
Adjustments		\$ -	(0.04)	\$ -	-	\$ -
Sub-Total		\$ 46,185,404.12	23,343,127.37	\$ 1.9785	971,783.49	\$ 47.5264
Less: Fuel Burned		\$ 17,630,093.46	8,986,449.14	\$ 1.9619	373,522.00	\$ 47.1996
Ending Inventory	11/30/2021	\$ 28,555,310.66	14,356,678.23	\$ 1.9890	598,261.49	\$ 47.7305
<i>Trimble County PRB</i>		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	10/31/2021	\$ 2,415,877.45	999,686.00	\$ 2.4166	56,353.27	\$ 42.8702
Add: Purchases		\$ 3,110,287.54	1,306,712.86	\$ 2.3802	73,560.90	\$ 42.2818
Adjustments		\$ (590,954.31) (2)	(248,275.31) (2)	\$ 2.3802	(13,976.56) (2)	\$ 42.2818
Sub-Total		\$ 4,935,210.68	2,058,123.55	\$ 2.3979	115,937.61	\$ 42.5678
Less: Fuel Burned-Jurisdictional		\$ 1,566,900.23	652,600.81	\$ 2.4010	36,805.55	\$ 42.5724
Fuel Burned-Non-Jurisdictional		\$ 541,996.40	225,731.37	\$ 2.4011	12,730.85	\$ 42.5735
Total Burn		\$ 2,108,896.63	878,332.18	\$ 2.4010	49,536.40	\$ 42.5727
Ending Inventory	11/30/2021	\$ 2,826,314.05	1,179,791.37	\$ 2.3956	66,401.21	\$ 42.5642
<i>Trimble County High Sulfur</i>		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	10/31/2021	\$ 6,458,818.00	3,213,088.49	\$ 2.0102	138,516.96	\$ 46.6284
Add: Purchases		\$ -	-	\$ -	-	\$ -
Adjustments		\$ 5,622,109.54 (3)	2,903,889.10 (3)	\$ 1.9361	124,548.99 (3)	\$ 45.1397
Sub-Total		\$ 12,080,927.54	6,116,977.59	\$ 1.9750	263,065.95	\$ 45.9236
Less: Fuel Burned-Jurisdictional		\$ 4,243,894.88	2,145,131.91	\$ 1.9784	92,336.68	\$ 45.9611
Fuel Burned-Non-Jurisdictional		\$ 1,467,928.69	741,990.44	\$ 1.9784	31,938.80	\$ 45.9607
Total Burn		\$ 5,711,823.57	2,887,122.35	\$ 1.9784	124,275.48	\$ 45.9610
Ending Inventory	11/30/2021	\$ 6,369,103.97	3,229,855.24	\$ 1.9719	138,790.47	\$ 45.8901
<i>Coal In Transit</i>		Amount	MMBTU	Per Unit	Tons	Per Unit
Coal In Transit	11/30/2021	\$ 7,940,556.83 (1)	3,881,213.46 (1)	\$ 2.0459	168,244.76 (1)	\$ 47.1965
Total Combined Inventory	11/30/2021	\$ 53,300,358.93	25,775,420.06	\$ 2.0679	1,111,870.50	\$ 47.9376

(1) Coal In Transit consists of coal purchased and owned by KU that has not arrived at the plants

(2) Adjustment to transfer LG&E's portion of Trimble County 2 coal between LG&E and KU.

(3) Adjustment to transfer KU's portion of Trimble County 2 coal between LG&E and KU.

(4) Purchases can include contractual service costs related to transportation and handling of the inventory.

(5) Fixed rail capacity charges are included in purchases for EW Brown.

(6) Timing difference from month end close of accounting records while the Align system is real time and/or prior month adjustments.

Company: Kentucky Utilities Company

Plant: E.W. Brown, Ghent and Haefling

Month Ended: November 30, 2021

Fuel: Fuel Oil

<u>E.W. Brown</u>		<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Gallons</u>	<u>Per Unit</u>
Beginning Inventory	10/31/2021	\$ 363,906.62	26,536.66	\$ 13.7134	189,546	\$ 1.9199
Add: Purchases		\$ -	-	\$ -	-	\$ -
Adjustments		\$ (0.04)	-	\$ -	-	\$ -
Sub-Total		\$ 363,906.58	26,536.66	\$ 13.7134	189,546	\$ 1.9199
Less: Fuel Burned		\$ 2,945.10	214.76	\$ 13.7134	1,534	\$ 1.9199
Ending Inventory	11/30/2021	\$ 360,961.48	26,321.90	\$ 13.7134	188,012	\$ 1.9199
<u>E.W. Brown CTs</u>		<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Gallons</u>	<u>Per Unit</u>
Beginning Inventory	10/31/2021	\$ 4,421,152.75	282,046.91	\$ 15.6752	2,014,621	\$ 2.1945
Add: Purchases		\$ -	-	\$ -	-	\$ -
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 4,421,152.75	282,046.91	\$ 15.6752	2,014,621	\$ 2.1945
Less: Fuel Burned		\$ -	-	\$ -	-	\$ -
Ending Inventory	11/30/2021	\$ 4,421,152.75	282,046.91	\$ 15.6752	2,014,621	\$ 2.1945
<u>Ghent</u>		<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Gallons</u>	<u>Per Unit</u>
Beginning Inventory	10/31/2021	\$ 524,602.09	38,478.44	\$ 13.6337	274,846	\$ 1.9087
Add: Purchases		\$ 531,288.74	29,345.82	\$ 18.1044	209,613	\$ 2.5346
Adjustments		\$ (0.04)	-	\$ -	-	\$ -
Sub-Total		\$ 1,055,890.79	67,824.26	\$ 15.5680	484,459	\$ 2.1795
Less: Fuel Burned		\$ 172,808.04	11,100.18	\$ 15.5680	79,287	\$ 2.1795
Ending Inventory	11/30/2021	\$ 883,082.75	56,724.08	\$ 15.5680	405,172	\$ 2.1795
<u>Haefling</u>		<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Gallons</u>	<u>Per Unit</u>
Beginning Inventory	10/31/2021	\$ 2,624.01	182.02	\$ 14.4161	1,100	\$ 2.3855
Add: Purchases		\$ -	-	\$ -	-	\$ -
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 2,624.01	182.02	\$ 14.4161	1,100	\$ 2.3855
Less: Fuel Burned		\$ -	-	\$ -	-	\$ -
Ending Inventory	11/30/2021	\$ 2,624.01	182.02	\$ 14.4161	1,100	\$ 2.3855
Total Combined Inventory	11/30/2021	\$ 5,667,820.99	365,274.91	\$ 15.5166	2,608,905	\$ 2.1725

Company: Kentucky Utilities Company

Plant: E.W. Brown, Haefling, Paddy's Run, Trimble County, and Cane Run

Month Ended: November 30, 2021

Fuel: Natural Gas

E.W. Brown CTs

		<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	10/31/2021	\$ 97,343.46	17,342.00	\$ 5.6132	16,931	\$ 5.7494
Add: Purchases		\$ 1,954,080.32	391,188.00	\$ 4.9952	381,647	\$ 5.1201
Adjustments		\$ 38,917.13 (1)	(12,519.00) (2)	\$ (3.1086)	(12,214) (2)	\$ (3.1863)
Sub-Total		\$ 2,090,340.91	396,011.00	\$ 5.2785	386,364	\$ 5.4103
Less: Fuel Burned KU Share		\$ 1,220,790.90	231,283.00	\$ 5.2783	225,642	\$ 5.4103
Purchases Allocated to LG&E		\$ 750,731.60	142,229.00	\$ 5.2783	138,760	\$ 5.4103
Total Burn		\$ 1,971,522.50	373,512.00	\$ 5.2783	364,402	\$ 5.4103
Ending Inventory	11/30/2021	\$ 118,818.41	22,499.00	\$ 5.2811	21,962	\$ 5.4102

Haefling

		<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>MCF</u>	<u>Per Unit</u>
Beginning Inventory	10/31/2021	\$ -	-	\$ -	-	\$ -
Add: Purchases		\$ -	-	\$ -	-	\$ -
Fixed Customer Charge		\$ 77.84	-	\$ -	-	\$ -
Total Purchases		\$ 77.84	-	\$ -	-	\$ -
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 77.84	-	\$ -	-	\$ -
Less: Fuel Burned		\$ 77.84	-	\$ -	-	\$ -
Ending Inventory	11/30/2021	\$ -	-	\$ -	-	\$ -

Paddy's Run CTs

		<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>MCF</u>	<u>Per Unit</u>
Beginning Inventory	10/31/2021	\$ -	-	\$ -	-	\$ -
Add: Purchases Allocated from LG&E		\$ 330,901.54	59,172.00	\$ 5.5922	55,561	\$ 5.9556
Fixed Gas Demand Charge Allocated from LG&E		\$ 117,940.68	-	\$ -	-	\$ -
Total Purchases		\$ 448,842.22	59,172.00	\$ 7.5854	55,561	\$ 8.0784
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 448,842.22	59,172.00	\$ 7.5854	55,561	\$ 8.0784
Less: Fuel Burned		\$ 448,842.22	59,172.00	\$ 7.5854	55,561	\$ 8.0784
Ending Inventory	11/30/2021	\$ -	-	\$ -	-	\$ -

Trimble County Start-up and Stabilization

		Amount	MMBTU	Per Unit	MCF	Per Unit
Beginning Inventory	10/31/2021	\$ -	-	\$ -	-	\$ -
Add: Purchases Allocated from LG&E		\$ 23,768.02	5,250.44	\$ 4.5269	4,930	\$ 4.8211
Fixed Gas Demand Charge Allocated from LG&E		\$ 30,624.41	-	\$ -	-	\$ -
Total Purchases		\$ 54,392.43	5,250.44	\$ 10.3596	4,930	\$ 11.0329
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 54,392.43	5,250.44	\$ 10.3596	4,930	\$ 11.0329
Less: Fuel Burned-Jurisdictional		\$ 40,413.58	3,901.08	\$ 10.3596	3,663	\$ 11.0329
Fuel Burned-Non-Jurisdictional		\$ 13,978.85	1,349.36	\$ 10.3596	1,267	\$ 11.0329
Total Burn		\$ 54,392.43	5,250.44	\$ 10.3596	4,930	\$ 11.0329
Ending Inventory	11/30/2021	\$ -	-	\$ -	-	\$ -

Trimble County CTs

		Amount	MMBTU	Per Unit	MCF	Per Unit
Beginning Inventory	10/31/2021	\$ -	-	\$ -	-	\$ -
Add: Purchases Allocated from LG&E		\$ 7,364,977.53	1,626,953.00	\$ 4.5269	1,527,655	\$ 4.8211
Fixed Gas Demand Charge Allocated from LG&E		\$ 401,927.90	-	\$ -	-	\$ -
Total Purchases		\$ 7,766,905.43	1,626,953.00	\$ 4.7739	1,527,655	\$ 5.0842
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 7,766,905.43	1,626,953.00	\$ 4.7739	1,527,655	\$ 5.0842
Less: Fuel Burned		\$ 7,766,905.43	1,626,953.00	\$ 4.7739	1,527,655	\$ 5.0842
Ending Inventory	11/30/2021	\$ -	-	\$ -	-	\$ -

Cane Run 7

		Amount	MMBTU	Per Unit	MCF	Per Unit
Beginning Inventory	10/31/2021	\$ -	-	\$ -	-	\$ -
Add: Purchases Allocated from LG&E		\$ 3,203,178.50	709,788.00	\$ 4.5129	666,468	\$ 4.8062
Fixed Gas Demand Charge Allocated from LG&E		\$ 745,298.35	-	\$ -	-	\$ -
Total Purchases		\$ 3,948,476.85	709,788.00	\$ 5.5629	666,468	\$ 5.9245
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 3,948,476.85	709,788.00	\$ 5.5629	666,468	\$ 5.9245
Less: Fuel Burned		\$ 3,948,476.85	709,788.00	\$ 5.5629	666,468	\$ 5.9245
Ending Inventory	11/30/2021	\$ -	-	\$ -	-	\$ -
Total Combined Inventory	11/30/2021	\$ 118,818.41	22,499.00	\$ 5.2811	21,962	\$ 5.4102

(1) Includes depreciation addition and/or current month prepaid gas accrual. Offset by reversal of prior month gas accrual.

(2) Includes current month prepaid gas expenses. Offset by reversal of prior month prepaid gas expenses and pipeline inventory loss adjustments.

(3) Represents the partnership allocation for start-up and stabilization gas



Kentucky Utilities Company

Power Transaction Schedule

Month Ended: November-30-2021

Company	Type of Transaction	KWH	Billing Components			Total Charges(\$)	
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)		
Purchases							
ENERGY IMBALANCE	IMBL	Economy	243,000	\$ -	\$ 8,662.28	\$ -	\$ 8,662.28
LQF TARIFF PURCHASE POWER	LQF TARIFF	LQF Tariff	10,800	\$ -	\$ 246.67	\$ -	\$ 246.67
GREEN TARIFF BUSINESS SOLAR PURCHASE POWER	GTBS	GTBS	-	\$ -	\$ 195.30	\$ -	\$ 195.30
SOLAR SHARE PROGRAM	SSP	SSP	-	\$ -	\$ 409.56	\$ -	\$ 409.56
SQF TARIFF PURCHASE POWER	SQF TARIFF	SQF Tariff	13,424	\$ -	\$ 287.95	\$ -	\$ 287.95
LOUISVILLE GAS & ELECTRIC	LGE	Economy	144,452,000	\$ -	\$ 3,435,904.12	\$ 6.76	\$ 3,435,910.88
OHIO VALLEY ELECTRIC CORPORATION	OVEC	Economy	12,692,000	\$ 835,173.92	\$ 370,078.62	\$ -	\$ 1,205,252.54
Total Purchases			157,411,224	\$ 835,173.92	\$ 3,815,784.50	\$ 6.76	\$ 4,650,965.18
Sales							
ETC ENDURE	ETC	Economy	11,000		\$ 386.50	\$ 709.86	\$ 1,096.36
EVERGY KANSAS CENTRAL, INC.	EVGY	Economy	608,000		\$ 19,170.75	\$ 35,209.32	\$ 54,380.07
ENERGY IMBALANCE	IMBL	Economy	115,000		\$ 1,561.99	\$ 2,725.55	\$ 4,287.54
MACQUARIECOOK	MACQUARIE	Economy	488,000		\$ 13,791.76	\$ 25,330.18	\$ 39,121.94
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	Economy	229,000		\$ 5,696.86	\$ 10,462.96	\$ 16,159.82
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	162,000		\$ 5,303.45	\$ 9,740.39	\$ 15,043.84
RAINBOW ENERGY MARKETING CORP	REMC	Economy	195,000		\$ 5,686.41	\$ 10,443.77	\$ 16,130.18
THE ENERGY AUTHORITY	TEA	Economy	1,000		\$ 12.04	\$ 25.21	\$ 37.25
TENNESSEE VALLEY AUTHORITY	TVA	Economy	49,000		\$ 1,813.86	\$ 3,331.36	\$ 5,145.22
LOUISVILLE GAS & ELECTRIC	LGE	Economy	24,366,000		\$ 731,058.89	\$ 1,395.72	\$ 732,454.61
Total Sales			26,224,000	\$ -	\$ 784,482.51	\$ 99,374.32	\$ 883,856.83



Detailed Power Transaction Schedule
Month Ended: November-30-2021

Company	KWH	Native Load			Forced Outages		
		Energy Cost (\$)	KWH	\$/MWH	Energy Cost (\$)	KWH	\$/MWH
Purchases							
ENERGY IMBALANCE	IMBL	243,000	\$ 7,147.38	205,000	\$ 34.87	\$ 464.16	12,000 \$ 38.68
LQF TARIFF PURCHASE POWER	LQF TARIFF	10,800	\$ 246.67	10,800	\$ 22.84	\$ -	- \$ -
GREEN TARIFF BUSINESS SOLAR PURCHASE POWER	GTBS	-	\$ 195.30	-	\$ -	\$ -	- \$ -
SOLAR SHARE PROGRAM	SSP	-	\$ 409.56	-	\$ -	\$ -	- \$ -
SQF TARIFF PURCHASE POWER	SQF TARIFF	13,424	\$ 287.95	13,424	\$ 21.45	\$ -	- \$ -
LOUISVILLE GAS & ELECTRIC	LGE	144,452,000	\$ 3,432,514.93	144,329,000	\$ 23.78	\$ -	- \$ -
OHIO VALLEY ELECTRIC CORPORATION	OVEC	12,692,000	\$ 333,426.62	12,692,000	\$ 26.27	\$ -	- \$ -
Total Purchases		157,411,224	\$ 3,774,228.41	157,250,224	\$ 24.00	\$ 464.16	12,000 \$ 38.68

*8,040 kWh related to Green Tariff Business Solar Purchase Power are included in generation for FAC purposes
 *16,872 kWh related to the Solar Share Program are included in generation for FAC purposes

Sales							
ETC ENDURE	ETC	11,000					
EVERGY KANSAS CENTRAL, INC.	EVGY	608,000					
ENERGY IMBALANCE	IMBL	115,000					
MACQUARIECOOK	MACQUARIE	488,000					
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	229,000					
PJM INTERCONNECTION ASSOCIATION	PJM	162,000					
RAINBOW ENERGY MARKETING CORP	REMC	195,000					
THE ENERGY AUTHORITY	TEA	1,000					
TENNESSEE VALLEY AUTHORITY	TVA	49,000					
LOUISVILLE GAS & ELECTRIC	LGE	24,366,000					
Total Sales		26,224,000					



Detailed Power Transaction Schedule
Month Ended: November-30-2021

Company	KWH	OSS Purchases		Adj. From Prior Month (\$)	Total Energy Charges (\$)	Demand(\$)	Other Charges(\$)	Total Charges(\$)		
		Energy Cost (\$)	KWH						\$/MWH	
Purchases										
ENERGY IMBALANCE	IMBL	243,000	\$ 1,050.74	26,000	\$ 40.41	\$ -	\$ 8,662.28	\$ -	\$ -	\$ 8,662.28
LQF TARIFF PURCHASE POWER	LQF TARIFF	10,800	\$ -	-	\$ -	\$ -	\$ 246.67	\$ -	\$ -	\$ 246.67
GREEN TARIFF BUSINESS SOLAR PURCHASE POWER	GTBS	-	\$ -	-	\$ -	\$ -	\$ 195.30	\$ -	\$ -	\$ 195.30
SOLAR SHARE PROGRAM	SSP	-	\$ -	-	\$ -	\$ -	\$ 409.56	\$ -	\$ -	\$ 409.56
SQF TARIFF PURCHASE POWER	SQF TARIFF	13,424	\$ -	-	\$ -	\$ -	\$ 287.95	\$ -	\$ -	\$ 287.95
LOUISVILLE GAS & ELECTRIC	LGE	144,452,000	\$ 3,389.19	123,000	\$ 27.55	\$ -	\$ 3,435,904.12	\$ -	\$ 6.76	\$ 3,435,910.88
OHIO VALLEY ELECTRIC CORPORATION	OVEC	12,692,000	\$ -	-	\$ -	\$ 36,652.00	\$ 370,078.62	\$ 835,173.92	\$ -	\$ 1,205,252.54
Total Purchases		157,411,224	\$ 4,439.93	149,000	\$ 29.80	\$ 36,652.00	\$ 3,815,784.50	\$ 835,173.92	\$ 6.76	\$ 4,650,965.18

*8,040 kWh related to Green Tariff Business Solar Purchase Power are included in generation for FAC purposes
*16,872 kWh related to the Solar Share Program are included in generation for FAC purposes

Sales										
ETC ENDURE	ETC	11,000	\$ 32.13	1,000	\$ 32.13	\$ -	\$ 386.50	\$ -	\$ 709.86	\$ 1,096.36
EVERGY KANSAS CENTRAL, INC.	EVGY	608,000	\$ 1,593.60	49,000	\$ 32.52	\$ -	\$ 19,170.75	\$ -	\$ 35,209.32	\$ 54,380.07
ENERGY IMBALANCE	IMBL	115,000	\$ 129.85	8,000	\$ 16.23	\$ -	\$ 1,561.99	\$ -	\$ 2,725.55	\$ 4,287.54
MACQUARIECOOK	MACQUARIE	488,000	\$ 1,146.46	40,000	\$ 28.66	\$ -	\$ 13,791.76	\$ -	\$ 25,330.18	\$ 39,121.94
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	229,000	\$ 473.56	18,000	\$ 26.31	\$ -	\$ 5,696.86	\$ -	\$ 10,462.96	\$ 16,159.82
PJM INTERCONNECTION ASSOCIATION	PJM	162,000	\$ 440.86	13,000	\$ 33.91	\$ -	\$ 5,303.45	\$ -	\$ 9,740.39	\$ 15,043.84
RAINBOW ENERGY MARKETING CORP	REMC	195,000	\$ 472.69	16,000	\$ 29.54	\$ -	\$ 5,686.41	\$ -	\$ 10,443.77	\$ 16,130.18
THE ENERGY AUTHORITY	TEA	1,000	\$ -	-	\$ -	\$ -	\$ 12.04	\$ -	\$ 25.21	\$ 37.25
TENNESSEE VALLEY AUTHORITY	TVA	49,000	\$ 150.78	4,000	\$ 37.70	\$ -	\$ 1,813.86	\$ -	\$ 3,331.36	\$ 5,145.22
LOUISVILLE GAS & ELECTRIC	LGE	24,366,000	\$ -	-	\$ -	\$ -	\$ 731,058.89	\$ -	\$ 1,395.72	\$ 732,454.61
Total Sales		26,224,000	\$ 4,439.93	149,000	\$ 29.80	\$ -	\$ 784,482.51	\$ -	\$ 99,374.32	\$ 883,856.83

	KWH	\$	\$/MWH
GENERATION FOR OSS	1,709,000	\$ 48,983.69	\$ 28.66
GENERATION FOR INTERNAL ECONOMY TO LGE	14,213,000	\$ 403,095.89	\$ 28.36
GENERATION FOR INTERNAL REPLACEMENT TO LGE	10,153,000	\$ 327,496.70	\$ 32.26
SPLIT SAVINGS		\$ 466.30	
SALES FROM INTERNAL GENERATION	26,075,000	\$ 780,042.58	
SALES FROM OSS PURCHASES	149,000	\$ 4,439.93	\$ 29.80
ADJUSTMENTS FROM PRIOR MONTHS	-	\$ -	
	26,224,000	\$ 784,482.51	

**Kentucky Utilities
Analysis Of Coal Purchased for Fuel Clause Backup
Nov - 2021**

Station & Supplier	PBDU	POCN	MT	Mine Type	State code	Tons Purchased	BTU Per Lb.	No. MMBTU Per Ton	F.O.B. Mine		Transportation Cost		Delivered Cost				
									\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	% Sulfur	% Ash	% H2O
(a)	(b)	(c)	(d)			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
E.W. Brown																	
E.W. Brown High Sulfur Coal																	
Long Term Contract																	
Peabody COALSALES LLC	P	J21009	R	S	IN	55,106.00	11,073	22.146	34.74	156.86	8.15	36.80	42.89	193.66	3.13	8.93	14.02
Total Long Term						55,106.00	11,073	22.146	34.74	156.86	8.15	36.80	42.89	193.66	3.13	8.93	14.02
Total E.W. Brown						55,106.00	11,073	22.146	34.74	156.86	8.15	36.80	42.89	193.66	3.13	8.93	14.02

(b) Designated by symbol
P= Producer D= Distributor
B= Broker U-Utility

(c) POCN = Purchase Order
or Contract Number

(d) MT = Mode of Transportation1
Designated by Symbol

R = Rail T = Truck B = Barge P = Pipeline

Kentucky Utilities
Analysis Of Coal Purchased for Fuel Clause Backup
Nov - 2021

Station & Supplier	PBDU	POCN	MT	Mine Type	State code	Tons Purchased	BTU Per Lb.	No. MMBTU Per Ton	F.O.B. Mine		Transportation Cost		Delivered Cost				
									\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	% Sulfur	% Ash	% H2O
(a)	(b)	(c)	(d)			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
Ghent																	
Ghent High Sulfur Coal																	
Long Term Contract																	
ACNR Coal Sales Inc	P	J17004B	B	U	IL	9,942.32	11,715	23.431	44.03	187.93	4.82	20.57	48.85	208.50	2.46	9.08	10.84
ACNR Coal Sales Inc	P	J17004B	B	U	WV	13,919.70	12,617	25.233	41.76	165.48	5.57	22.07	47.33	187.55	4.01	9.17	6.67
Alliance Coal LLC	P	J18009	B	U	WKY	23,978.43	11,574	23.147	39.12	169.01	4.82	20.83	43.94	189.84	2.99	9.36	11.25
Alliance Coal LLC	P	J21004	B	U	WKY	48,235.67	11,580	23.161	39.67	171.28	4.82	20.81	44.49	192.09	2.98	9.38	11.29
Alliance Coal LLC	P	J21004	B	U	WV	65,170.41	12,576	25.152	41.43	164.72	6.37	25.32	47.80	190.04	3.14	9.17	6.38
Alliance Coal LLC	P	J21010	B	U	WKY	43,085.63	11,543	23.086	38.67	167.49	4.82	20.88	43.49	188.37	2.98	9.27	11.47
Alpha Thermal Coal Sales a DBA of A	P	J20001B	B	U	PA	30,058.90	12,903	25.806	40.43	156.66	11.23	43.51	51.66	200.17	3.38	8.58	6.50
Knight Hawk Coal LLC	P	J21001	B	U	IL	30,839.40	11,201	22.402	37.69	168.25	9.25	41.29	46.94	209.54	2.97	8.84	12.81
Knight Hawk Coal LLC	P	J21022	B	U	IL	19,462.48	11,265	22.530	33.78	149.95	9.25	41.06	43.03	191.01	2.94	8.21	13.10
Total Long Term						284,692.94	11,934	23.869	39.59	165.87	6.67	27.95	46.26	193.82	3.09	9.07	9.73
Spot Contract																	
Alliance Coal LLC	P	J21027	B	U	WKY	80,545.87	11,562	23.123	36.53	158.00	4.82	20.84	41.35	178.84	2.99	9.31	11.35
Alliance Coal LLC	P	J21028	B	U	WV	48,298.27	12,545	25.090	57.44	228.92	6.37	25.38	63.81	254.30	3.20	9.04	6.72
Coal Network LLC	B	J20024	B	U	WKY	4,776.00	11,134	22.268	25.34	113.80	3.94	17.69	29.28	131.49	3.06	9.92	13.34
Total Spot						133,620.14	11,902	23.804	43.69	183.54	5.35	22.47	49.04	206.01	3.07	9.23	9.75
Total Ghent						418,313.08	11,924	23.848	40.90	171.51	6.25	26.20	47.15	197.71	3.08	9.12	9.74

(b) Designated by symbol
P= Producer D= Distributor
B= Broker U-Utility

(c) POCN = Purchase Order
or Contract Number

(d) MT = Mode of Transportation2
Designated by Symbol

R = Rail T = Truck B = Barge P = Pipeline

**Kentucky Utilities
Analysis Of Coal Purchased for Fuel Clause Backup
Nov - 2021**

Station & Supplier	PBDU	POCN	MT	Mine Type	State code	Tons Purchased	BTU Per Lb.	No. MMBTU Per Ton	F.O.B. Mine		Transportation Cost		Delivered Cost				
									\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	% Sulfur	% Ash	% H2O
(a)	(b)	(c)	(d)			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
Trimble County / KU																	
Trimble County / KU PRB Coal																	
Long Term Contract																	
Arch Coal Sales Company Inc.	P	J20002	B/R	S	WY	73,560.90	8,882	17.764	13.00	73.17	28.98	163.16	41.98	236.33	0.33	5.37	27.10
Total Long Term						73,560.90	8,882	17.764	13.00	73.17	28.98	163.16	41.98	236.33	0.33	5.37	27.10
Total Trimble County / KU						73,560.90	8,882	17.764	13.00	73.17	28.98	163.16	41.98	236.33	0.33	5.37	27.10
Total Kentucky Utilities						546,979.98	11,429	22.858	36.53	159.80	9.50	41.55	46.03	201.35	2.72	8.60	12.50

(b) Designated by symbol
P= Producer D= Distributor
B= Broker U-Utility

(c) POCN = Purchase Order
or Contract Number

(d) MT = Mode of Transportation
Designated by Symbol

R = Rail T = Truck B = Barge P = Pipeline

KENTUCKY UTILITIES COMPANY
ANALYSIS OF OTHER FUEL PURCHASES
For the Month Ended: November 2021

<u>Fuel & Supplier</u> (a)	<u>P</u> (b)	<u>P</u> (c)	<u>M</u> (d)	<u>Station</u> <u>Name</u> (e)	<u>Gal. or</u> <u>MCF</u> <u>Purchased</u> (f)	<u>BTU Per</u> <u>Unit</u> (g)	<u>Delivered</u> <u>Cost (\$)</u> (h)	<u>Cents</u> <u>Per</u> <u>MMBtu</u> (i)	<u>%</u> <u>Sulfur</u> (j)
<u>Oil</u>									
Heritage Petroleum	D	J21013	T	Ghent	209,613	0.140	531,288.74	1,810.44	-
Total Oil					<u>209,613</u>	<u>0.140</u>	<u>531,288.74</u>		
<u>Natural Gas</u>									
Kentucky Utilities	U	-	P	Haefling	-	0.000	77.84	-	-
LG&E	U	-	P	Paddy's Run	55,561	1.065	448,842.22	758.54	-
LG&E	U	-	P	Trimble County	1,532,585	1.065	7,821,297.86	479.19	-
LG&E	U	-	P	Cane Run 7	666,468	1.065	3,948,476.85	556.29	-
Kentucky Utilities	U	-	P	EW Brown CTs	242,887 (1)	1.025	1,203,348.72 (1)	483.35	-
Total Natural Gas					<u>2,497,501</u>	<u>1.061</u>	<u>13,422,043.49</u>		

(b) Designated by Symbol
P = Producer
B = Broker
D = Distributor
U = Utility

(c) POCN = Purchase Order or
Contract Number

(d) MT = Mode of Transportation
Designated by Symbol
R = Rail
B = Barge
T = Truck
P = Pipeline

(j) % of Sulfur in fuel
is unavailable

(1): Amount excludes purchases allocated to LG&E.

Company Name: Kentucky Utilities Company

Station Name - Unit Number: E.W. Brown

For the Month Ended: November 2021

<u>Line No.</u>	<u>Item Description</u>	<u>Unit No. 3</u>	<u>Total Station</u>
1.	Unit Performance:		
a.	Capacity in MW (name plate rating)	464	
b.	Capacity in MW (average load, 2c/3a)	195.97	
c.	Net Demonstrated Capability in MW	414	
d.	Net Capability Factor in Percent (1b/1c) (%)	47%	
2.	Heat Rate:		
a.	BTUs Consumed in MMBTU	320,239	
b.	Gross Generation in MWH	31,891	
c.	Net Generation in MWH	25,887	
d.	Heat Rate in BTU per KWH (2a/2c)	12,371	
3.	Operating Availability:		
a.	Hours Unit was Operated	132	
b.	Hours Unit was Available	132	
c.	Hours During the Period	720	
d.	Availability Factor in Percent (3b/3c) (%)	18%	
4.	Cost per KWH:		
a.	Gross Generation - FAC Basis in Cents per Kwh	2.447	
b.	Net Generation - FAC Basis in Cents per Kwh	3.014	
5.	Inventory Analysis:		
a.	Number of Days Supply Based on Actual Burn at the Station		100

Company Name: Kentucky Utilities Company

Station Name - Unit Number: Ghent

For the Month Ended: November 2021

Line No.	Item Description	Unit No. 1	Unit No. 2	Unit No. 3	Unit No. 4	Total Station
1.	Unit Performance:					
a.	Capacity in MW (name plate rating)	557	556	557	556	
b.	Capacity in MW (average load, 2c/3a)	409	286	349	334	
c.	Net Demonstrated Capability in MW	477	486	479	478	
d.	Net Capability Factor in Percent (1b/1c) (%)	86%	59%	73%	70%	
2.	Heat Rate:					
a.	BTUs Consumed in MMBTU	3,128,697	743,053	2,525,649	2,600,150	
b.	Gross Generation in MWH	304,707	75,505	267,797	265,546	
c.	Net Generation in MWH	279,541	68,057	241,642	240,475	
d.	Heat Rate in BTU per KWH (2a/2c)	11,192	10,918	10,452	10,813	
3.	Operating Availability:					
a.	Hours Unit was Operated	684	238	692	720	
b.	Hours Unit was Available	706	238	692	720	
c.	Hours During the Period	720	720	720	720	
d.	Availability Factor in Percent (3b/3c) (%)	98%	33%	96%	100%	
4.	Cost per KWH:					
a.	Gross Generation - FAC Basis in Cents per Kwh	2.018	2.003	1.874	1.929	
b.	Net Generation - FAC Basis in Cents per Kwh	2.199	2.223	2.077	2.130	
5.	Inventory Analysis:					
a.	Number of Days Supply Based on Actual Burn at the Station (1)					45

(1) Coal Pile not kept on unit basis; therefore, this figure represents actual station coal inventory at the end of the month.

Company Name: Kentucky Utilities Company

Station Name - Unit Number: Combustion Turbines

For the Month Ended: November 2021

Line No.	Item Description	Haefling Unit No. 1	Haefling Unit No. 2	E.W. Brown Unit No. 5	E.W. Brown Unit No. 6	E.W. Brown Unit No. 7	E.W. Brown Unit No. 8	E.W. Brown Unit No. 9	E.W. Brown Unit No. 10	E.W. Brown Unit No. 11
1.	Unit Performance:									
a.	Capacity in MW (name plate rating)	21	21	123	177	177	126	126	126	126
b.	Capacity in MW (average load, 2c/3a)	4	4	51	115	-	19	21	41	-
c.	Net Demonstrated Capability in MW	13	13	120	157	157	118	118	118	118
d.	Net Capability Factor in Percent (1b/1c) (%)	28%	27%	43%	73%	-	16%	18%	35%	-
2.	Heat Rate:									
a.	BTUs Consumed in MMBTU	-	-	59,455	291,363	-	9,445	2,916	8,892	1,441
b.	Gross Generation in MWH	18	17	3,789	26,015	-	607	204	586	93
c.	Net Generation in MWH	12	12	3,527	25,700	(56) (1)	475	88	454	(22) (1)
d.	Heat Rate in BTU per KWH (2a/2c)	-	-	16,857	11,337	-	19,884	33,136	19,586	-
3.	Operating Availability:									
a.	Hours Unit was Operated	3	3	69	223	720	26	4	11	2
b.	Hours Unit was Available	720	720	720	720	720	720	720	720	720
c.	Hours During the Period	720	720	720	720	720	720	720	720	720
d.	Availability Factor in Percent (3b/3c) (%)	100%	100%	100%	100%	100%	100%	100%	100%	100%
4.	Cost per KWH:									
a.	Gross Generation - FAC Basis in Cents per Kwh	0.216	0.229	8.283	5.912	-	8.213	7.545	8.009	8.179
b.	Net Generation - FAC Basis in Cents per Kwh	0.324	0.324	8.898	5.984	-	10.496	17.491	10.338	-
5.	Inventory Analysis:									
a.	Number of Days Supply Based on Actual Burn at the Station					NOT APPLICABLE				

Brown CT 5, 6 and 7 are jointly owned by Louisville Gas and Electric Company (LG&E) and Kentucky Utilities (KU). KU will report 100% of the operating data for the CTs.

Paddy's Run GT-13 is jointly owned by Louisville Gas and Electric Company and Kentucky Utilities. LG&E will report 100% of the operating data for Paddy's Run.

Trimble County 5, 6, 7, 8, 9 and 10 are jointly owned by Louisville Gas and Electric Company and Kentucky Utilities. LG&E will report 100% of the operating data for Trimble County.

(1) Negative net generation due to station usage.

Adjustments for Purchases Above KU/LGE Highest Priced Units (NOVEMBER 2021)

Cost Components of Highest Priced Units:

UNIT NAME	(1) FULL LOAD HR <small>(BTU/KWH)</small>	(2) FUEL COST <small>(¢/MBTU)</small>	(3) CONSUMABLES <small>(\$/MWH)</small>	(4) SO2 ADDER <small>(\$/MWH)</small>	(5) SCR CONSUME <small>(\$/MWH)</small>	(6) NOx ADDER <small>(\$/MWH)</small>	(7) Hg CONSUME <small>(\$/MWH)</small>	(8) DISPATCH COST <small>(\$/MBTU)</small>	(6)=(3)+(4)+(5) DISPATCH COST <small>(\$/MBTU)</small>	(7) Maint V O&M <small>(\$/MWH)</small>	(8)=(6)+(7) TOTAL PRICE <small>(\$/MWH)</small>
PADDYS RUN 12	17,692	498.50	88.19	0.00	0.00			88.21		N/A	N/A
HAEFLING	17,765	742.00	131.82	0.00	0.00			131.83		N/A	N/A

LGE Purchases Above LGE's Highest Priced Unit (PADDYS RUN 12):

	MM/DD/YY Hr	Purchase From	Cost \$	MWh Purch	Cost \$/MWh	Excluded Amount Prior to FO Calculation \$/MWh	\$	Excluded in FO Calculation?	Additional Exclusion For FAC	PADDYS RUN 12 Available?
1								Yes	\$ -	Yes
2								Yes	\$ -	Yes
3								Yes	\$ -	Yes
4								Yes	\$ -	Yes
5								Yes	\$ -	Yes
6								Yes	\$ -	Yes
7								Yes	\$ -	Yes
8								Yes	\$ -	Yes
9								Yes	\$ -	Yes
10								Yes	\$ -	Yes
11								Yes	\$ -	Yes
12								Yes	\$ -	Yes
13								Yes	\$ -	Yes
14								Yes	\$ -	Yes
15								Yes	\$ -	Yes
16								Yes	\$ -	Yes
17								Yes	\$ -	Yes
18								Yes	\$ -	Yes
19								Yes	\$ -	Yes
20								Yes	\$ -	Yes
21								Yes	\$ -	Yes
22								Yes	\$ -	Yes
23								Yes	\$ -	Yes
24								Yes	\$ -	Yes
25								Yes	\$ -	Yes
						LG&E Total	\$ -	\$0.00	\$ -	

KU Purchases Above KU's Highest Priced Unit (HAEFLING):

	MM/DD/YY Hr	Purchase From	Cost \$	MWh Purch	Cost \$/MWh	Excluded Amount \$/MWh	\$	Excluded in FO Calculation?	Additional Exclusion For FAC	HAEFLING Available?
1								Yes	\$ -	Yes
2								Yes	\$ -	Yes
3								Yes	\$ -	Yes
4								Yes	\$ -	Yes
5								Yes	\$ -	Yes
6								Yes	\$ -	Yes
7								Yes	\$ -	Yes
8								Yes	\$ -	Yes
9								Yes	\$ -	Yes
10								Yes	\$ -	Yes
11								Yes	\$ -	Yes
12								Yes	\$ -	Yes
13								Yes	\$ -	Yes
14								Yes	\$ -	Yes
15								Yes	\$ -	Yes
16								Yes	\$ -	Yes
17								Yes	\$ -	Yes
18								Yes	\$ -	Yes
19								Yes	\$ -	Yes
20								Yes	\$ -	Yes
21								Yes	\$ -	Yes
22								Yes	\$ -	Yes
23								Yes	\$ -	Yes
24								Yes	\$ -	Yes
25								Yes	\$ -	Yes
						KU Total	\$ -	\$0.00	\$ -	

OFF-SYSTEM SALES - ELECTRIC

	LG&E	KU (Consolidated)
Electric Off-System Sales	MTD Current Year November-21	MTD Current Year November-21
Revenue		
External Sales	\$ 1,323,944	\$ 151,402
Internal Sales	\$ 3,396	\$ 328,892
Total	\$ 1,327,340	\$ 480,295
External Expenses		
Fuel	\$ (172,568)	\$ (48,984)
Purchase Power	\$ (8,796)	\$ (1,051)
ECR Consumables	\$ -	\$ -
Other Consumables	\$ (247)	\$ (944)
Transmission	\$ (66)	\$ (75)
RTO Costs	\$ (1,378)	\$ (1,636)
Inter-System Losses	\$ (2,544)	\$ (267)
Internal Expenses		
Fuel	\$ (3,389)	\$ (327,497)
Purchase Power	\$ (328,892)	\$ (3,396)
Other Consumables	\$ (7)	\$ (1,396)
Transmission	\$ (110,148)	\$ (13,157)
Total	\$ (628,036)	\$ (398,401)
Electric Off-System Sales Margin	\$ 699,304	\$ 81,893
OSS Margin - Jurisdictional	\$ 524,478	\$ 57,385
OSS Margin - Non-Jurisdictional	\$ -	\$ 4,035
OSS Margin - Utility Share	\$ 174,826	\$ 20,473

SEEM Formation and Participation Costs

Expense Month: November 2021

<u>Item Description</u>	<u>LG&E</u>	<u>KU</u>
Administrative and legal expenses associated with the FERC proceeding	\$ 3,475	\$ 3,764
Costs of SEEM formation and participation	<u>\$ -</u>	<u>\$ -</u>
Total Costs	\$ 3,475	\$ 3,764